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*Reply Under 37 C.F.R. 1.116  
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PATENT  
Attorney Docket No. 49493.0286

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Alexandre M. Izmailov

Application No.: 09/827,432

Filed: April 6, 2001

For: METHOD AND APPARATUS FOR  
SEQUENCING OF DNA USING AN INTERNAL  
CALIBRANT

Group Art Unit: 1631

Examiner: Cheyne D. Ly

**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

Sir:

This is an amendment and response to the final office action, mailed October 25, 2005. A Request for Two-Month Extension of Time was filed on March 23, 2006, extending the deadline for responding to the office action to March 25, 2006. A Request for Extension of Time for an additional month is filed concurrently herewith, extending the deadline for responding to the Advisory Action to April 25, 2006. A prior Amendment and Response to Final Office Action was filed on March 23, 2006, to which the Examiner has responded in an Advisory Action, dated April 7, 2006. This paper is now filed in response to the Examiner's comments in the Advisory Action, and includes amendments believed to be responsive to the Examiner's reasons for maintaining the outstanding rejections.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 7 of this paper.